

# Appendix A

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## EDMS User Survey Form and Distribution List

**Tri-Service CADD/GIS Technology Center**  
**Electronic Document Management System (EDMS) User Survey**



Name of Point of Contact: \_\_\_\_\_ Phone: \_\_\_\_\_

Title of POC: \_\_\_\_\_ FAX: \_\_\_\_\_

Internet E mail address: \_\_\_\_\_

Installation or Office Name: \_\_\_\_\_

Office or Department Title: \_\_\_\_\_

Office or Department Code: \_\_\_\_\_

Mailing Address:

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

Organization Branch: (check one)

- ☐ Air Force
- ☐ Army
- ☐ Army Corps of Engineers
- ☐ Marines
- ☐ Navy
- ☐ Coast Guard
- ☐ Other : \_\_\_\_\_



Tri-Service CADD/GIS Technology Center

**Electronic Document Management System (EDMS) User Survey**

**Category Number Listing-(Other categories may be added as needed)**

1. *EDMS Software* COTS, (Bentley Teammate, Intergraph NFM, Intergraph AIM, TSA Advet Falcon DMS, FileNet, Other) GOTS, Other
2. *Client* CLIX, DOS/Windows 3.1x, Windows 95, Windows NT, Sun Sparc
3. *Server* UNIX, NT, Novell Netware, Sun Sparc
4. *Storage/Repository* Desktop, RAID, CD-ROM, Optical
5. *Database DBMS* SQL, Oracle
6. *Viewing/Markup/Module* Spicer Imagenation, Imageview, Other
7. *Workflow Product/Module* FileNet Visual Workflow, FileNet Ensemble, Other
8. *Network* Novell, NFS, Other
9. *OCR Engine* Caere OmniPage Pro, Other
10. *Type Files Stored* DGN, DWG, CGM, TIFF, PDF, Other native formats
11. *Associated CAD2 Product(s)* Intergraph, Cordant
12. *Associated Non-CAD2 Product(s)*
13. *Customization Tools* Visual Basic 4, PowerBuilder, Other
14. *Internet/Intranet* Microsoft Internet Explorer, Netscape Navigator, Saros Mezzanine, Other

(Example)

**Category Number: 1**

COTS=Commercial Off The Shelf Software		GOTS=Government Off The Shelf Software	
Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>Intergraph AIM</u>	<input checked="" type="checkbox"/> COTS	<u>Document Management Suite</u>
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

# Survey of EDMS Work Performed Or Initiatives Under Development

## Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)

### User Survey

Category Number: \_\_\_\_\_

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
	_____	<input type="checkbox"/> Custom	_____

Category Number: \_\_\_\_\_

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
	_____	<input type="checkbox"/> Custom	_____

Category Number: \_\_\_\_\_

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
	_____	<input type="checkbox"/> Custom	_____

Category Number: \_\_\_\_\_

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
	_____	<input type="checkbox"/> Custom	_____

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## Survey of EDMS Hardware/Software Currently In Use

1) Do you have an operating EDMS system in place? ☐ Yes ☐ No ☐ Future procurement planned  
(If no current operating EDMS system please skip to question 30)

2) How many users of the system? \_\_\_\_\_ How many concurrent users? \_\_\_\_\_

3) How many files are currently stored? \_\_\_\_\_ What is your average file size? \_\_\_\_\_

4) What is the primary function of your EDMS system? \_\_\_\_\_

5) Describe the primary hardware components of your system:

(If available please provide a diagram describing the components of your system)

Server(s) \_\_\_\_\_

Input Device(s) \_\_\_\_\_

Storage Repository \_\_\_\_\_

Primary Workstation(s) \_\_\_\_\_

Printer(s) and/or Plotter(s) \_\_\_\_\_

Other associated hardware components \_\_\_\_\_

*Note: Information pertaining to software and operating system (client) data is detailed in the section entitled “ Survey of EDMS Work Performed Or Initiatives Under Development”*

6) Do you store and retrieve engineering (CADD) drawings on a regular basis? ☐ Yes ☐ No

7) If yes, in what format are the drawings ? ☐ Native CADD ☐ Scanned Image ☐ Other (describe) \_\_\_\_\_

8) Was Legacy data transferred to your EDMS system? ☐ Yes ☐ No

9) If yes, describe the means by which it was captured \_\_\_\_\_

10) Describe your data capture process for inclusion of native format files (word processing, CADD, etc.) into your EDMS system \_\_\_\_\_

11) Describe your digital document indexing process \_\_\_\_\_

12) Describe your digital document retrieval or query process \_\_\_\_\_

13) Describe, if applicable, your digital workflow process \_\_\_\_\_

\_\_\_\_\_

14) Have security, version control and redundancy issues associated with your EDMS system been adequately addressed?

☐ Yes ☐ No

15) If no, what improvements to your EDMS system would be required to meet desired security requirements? \_\_\_\_\_

\_\_\_\_\_

16) Is an efficient archive/backup process a component of your system? ☐ Yes ☐ No

17) If no, what modifications would be required to improve this activity? \_\_\_\_\_

\_\_\_\_\_

18) Is Internet/Intranet integration a desired or current component of your system? ☐ Yes ☐ No

19) Does your site have a training program for system users? ☐ Yes ☐ No

20) What resources are required to maintain your system on a day-to-day basis? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

21) How long did it take to install your system? \_\_\_\_\_

\_\_\_\_\_

22) What problems were you setting out to resolve with the implementation of EDMS? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

23) What challenges did you encounter during the implementation process? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

24) Was an ROI done prior to the installation of your EDMS system? ☐ Yes ☐ No

25) If yes, what were the results? *(If available attach ROI table)* \_\_\_\_\_

\_\_\_\_\_

26) Describe the tangible and intangible benefits realized by the inception of your EDMS system. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

27) What user acceptance issues were addressed as your system was brought on-line? \_\_\_\_\_

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28) What are the “Lessons Learned” that you would credit to the implementation of your system? \_\_\_\_\_

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29) Additional Comments: \_\_\_\_\_

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30) Are you planning to implement an EDMS system in the future? ☐ Yes ☐ No

31) If yes, within what time frame? ☐ 0 - 12 mo ☐ 12 - 24 mo ☐ 24 - 36 mo ☐ Undetermined

32) In what format are your documents currently maintained? ☐ digital ☐ paper ☐ microfilm ☐ microfiche

☐ aperture card ☐ other (describe) \_\_\_\_\_

33) How are your documents currently indexed? ☐ card catalog ☐ digital data base ☐ other (describe) \_\_\_\_\_

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34) Do your stored documents include plotted CADD drawings? ☐ Yes ☐ No

35) If yes, will the CADD drawings be stored on your EDMS system? ☐ Yes ☐ No

36) How would you capture the CADD drawing for electronic storage? ☐ scan ☐ native format ☐ other (describe)

37) Describe any issues or concerns you might associate with the implementation of an EDMS system

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Installation Name: _____	Page _____ of _____
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Thanks for taking your valuable time to complete this survey. A copy of the final report will be sent to you. In addition to assisting us with development of the Electronic Document Management Standards, the report should provide you with an overview of automation tools being used across DOD for Document Management. If you have any questions relating to the content of this survey please contact Jack Owens, Michael Baker, Jr., Inc. at 800-642-2537 ext. 4348 or 412-495-4348. Tri -Service related questions should be directed to Laurel T. Gorman, P.G. at 601-634-4484.



Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS) User Survey

## EDMS Survey Distribution List

### PART I - DoD

Name	Office	EDMS Interest	Phone	Fax	e-mail
<b>Military</b>					
Worthington, Linda	HQ USACE	Archival Doc.	202-761-0332	202-761-8776	
Porzig, Roger	COE- Jacksonville Dist	Eng.Drws-Falcon	904-232-1189		roger.w.porzig@saj02.usace.army.mil
Bean, Bobby	NAS-Pax. River	Sp. Mgmt.	301-342-3103		bean_bobby%pax9a@nawcad.navy.mil
Krishack, John	Eglin AFB	Scanning EISs	850-882-7791x1002		
Kraszewski, Bob	Edwards AFB	Fac. Manag.	805-277-1448	805-277-6145	kraszewb%tw@mhs.elan.af.mil
Marchbanks, Betty	McClellan AFB	Fac. Manag.	916-643-4875	916-643-0720	betty@ce_mgr.mcclellan.af.mil
<b>FWG Members</b>					
Grams, Calvin	Peterson AFB	Eng. Drwgs.	719-556-1422		cgrams@spacecom.af.mil
Reiner, Marta	Falcon AFB		719-567-6556		
Carr, David	Army		210-221-5441		
Hamaguchi, Wayne	Army- Hawaii		808-438-7620		hamagucw@shafter-emh3.army.mil
Smith, Ellis	Army		318-531-1428		epsd@polk-emh2.army.mil
Miner, Bryan	Army		716-879-4208		bryan.c.miner@ncb01.usace.army.mil
Bryant, Jeff	Navy- Atl. Div.		804-322-4636		bryantjl@efdlant.navfac.navy.mil
Hudson, Bill	Navy- Crane		812-854-3453		bjh289@nwscc.sea06.navy.mil
Sanchez, Vivian	Navy - SW Div.		619-532-1168		vysanchez@efdswest.navfac.navy.mil
<b>Other Interests</b>					
Boyd, Gary	Navy - Atl. Div.		803-820-7303		rgboyd@efdsouth.navfac.navy.mil
Wilber, Carol	Navy HQ		703-325-1274		cwilber@ng.navfac.navy.mil
<b>JEDMICS</b>					
Younger, Henry			205-876-8251		younger-cic-ed@redstone.army.mil
Austin, Jerry			205-842-6387		austin-jw@redstone.army.mil
Baddley, Eddy			205-876-2523		baddley-er@redstone.army.mil
Barrett, Earl			205-842-8279		barrett-ew@redstone.army.mil
Behrens, Paul			205-313-0219		behrens-pw@redstone.army.mil
Booker, Gayle			205-842-8277		gayles@redstone.army.mil
Collier, Dawna			205-876-4891		collier-cic-ed@redstone.army.mil
Falkner, Dave			205-842-2893		davidf@michp10.redstone.army.mil
Gaver, Steve			205-955-6522		gaver-cic-ed@redstone.army.mil

### EDMS Survey Distribution List (Cont.)

Name	Office	EDMS Interest	Phone	Fax	e-mail
<b>JEDMICS (cont'd)</b>					
Gibbs, A.J.			205-842-2893		ajgibbs@michp10.redstone.army.mil
Howard, Gerald			205-842-0641		howard-cic-ed@redstone.army.mil
Infinger, Gary			205-313-0389		infinger-gc@redstone.army.mil
Leach, Jimmy			205-842-7389		leach-jl@redstone.army.mil
Mattern, Ken			205-313-0392		mattern-kj@redstone.army.mil
McCutcheon, Chris			205-955-0197		cmccutch@michp15.redstone.army.mil
Montgomery, John			205-876-9842		montgomery-jf@redstone.army.mil
Morgan, Johnnie			205-842-2893		johnniem@redstone.army.mil
Mountain, Stephen			205-842-9942		mountain-sw@redstone.army.mil
Owens, Linda			205-842-2893		owens-lg@redstone.army.mil
Slayton, Ken			205-842-7962		kslayton@redstone.army.mil
Stephens, Violet			205-842-6377		stephens-cic-ed@redstone.army.mil
Tate, Judy			205-876-8251		younger-cic-ed-sec@redstone.army.mil
Thompson, Pete			205-842-2893		petet@michp10.redstone.army.mil
Walker, Cindy			205-842-2893		cindy@michp10.redstone.army.mil
Warnick, Greg			205-842-0862		warnick-gg@redstone.army.mil
<b>DISC Philadelphia</b>					
Horne, Johnnie					johnnie_horne@navsup.navy.mil
<b>Norfolk Navy Yard</b>					
Gormley, Sam					sam_gormley@navsup.navy.mil
<b>NAVICP Mechanicsburg</b>					
Pusti, Bob					bob_pusti@icpmec.navy.mil
<b>Anniston Army Depot</b>					
Lovelady, Lynn					llovela@anniston-emh2.army.mil
<b>Corpus Christi Army Depot, TX</b>					
Bosquez, Ana					abosquez@CCAD- CCADGATE.army.mil

**DISC - Defense Industrial Supply Center, Philadelphia, PA**

Gillespie, Robert

rgillespie@disc.dla.mil

**EDMS Survey Distribution List (Cont.)**

Name	Office	EDMS Interest	Phone	Fax	e-mail
<b>DSCC - Defense Supply Center, Columbus, OH</b> Ballard, Lawrence					lballard@dcsc.dla.mil
<b>DSCR - Defense Supply Center, Richmond, VA</b> Logan, Lawrence					
<b>Hill AFB, Ogden, UT</b> Waggoner, Tom					waggonet@hillwpos.hill.af.mil
<b>Iowa National Guard, Facilities and Construction Office, Johnston, IA</b> Jaye, Dan			515-252-4180	515-252-4589	<a href="mailto:Jayed@IA-ARNG.ngb.army.mil">Jayed@IA-ARNG.ngb.army.mil</a>
<b>Kelly AFB, San Antonio, TX</b> Calvillo, David					dcalvill@sadis05.kelly.af.mil
<b>Letterkenny Army Depot</b> Augustine, Doug					daugusti@letterkenn-emh1.army.mil
<b>MCLB, Albany, GA</b> Bryant, Jim					bryanti@ala.usmc.mil
<b>NADEP JAX - Naval Aviation Depot, Jacksonville, FL</b> Waggy, Patricia					waggy%jx%psd@mr.navair.navy.mil
<b>NATSF Philadelphia, PA</b> Abramson, Arthur					arthur_abramson@natsfgw.natsf.navy.mil
<b>NAWC - TSD - Naval Air Warfare Center, Orlando, FL (formerly NTSC)</b> Westervelt, Elizabeth					beth_westervelt@ntsc.navy.mil
<b>Norfolk NSY, Portsmouth, VA – Forwarded to Navy Public Works Center</b> Hollandsworth, Paul to Michonki, Jim-Engineering Division			757-396-8425	757-396-8233	<a href="mailto:Phollandsworth@nnsy_ns00.nnsy.navy.mil">Phollandsworth@nnsy_ns00.nnsy.navy.mil</a> <a href="mailto:Jmichons@pweast.pwc.com">Jmichons@pweast.pwc.com</a>

**NSWC - Port Hueneme, CA**

Menken, Richard

menken\_richard@phdnswc.nswses.navy.mil

**EDMS Survey Distribution List (Cont.)**

Name	Office	EDMS Interest	Phone	Fax	e-mail
<b>NSWC - Crane (Louisville Det)</b>					
Sydoriak, Eugene					gene_s@smtp.nosl.sea06.navy.mil
<b>Pearl Harbor NSY</b>					
Miura, James					James=Miura%C240%PHNSY@ns00.p hnsy.navy.mil
<b>Portsmouth NSY, NH</b>					
Phair, Pamela					pwp_c202@ns01.ports.navy.mil
<b>Puget Sound NSY, WA</b>					
Carpenter, Valoree					carpenterv@psns.navy.mil
<b>Red River Army Depot, Texarcana, TX</b>					
Smith, Don					dsmith@redriverad-emh1.army.mil
<b>Robins Air Force Base, Warner Robins, GA</b>					
Richardson, James					jrichard@ti.robins.af.mil
<b>Rock Island Arsenal, IL (formerly AMCCOM)</b>					
Bender, John					jbender@ria-emh2.army.mil
<b>SRF Yokosuka, Japan</b>					
Gabayan, Leroy					c204@srf_emh1.yoko.mrms.navy.mil
<b>Tinker AFB, OK</b>					
Barker, Marilyn					mbarker@ocdis.oc.af.mil
<b>Tobyhanna Army Depot, PA</b>					
Laise, Steve					slaise@tobyhanna-emh3.army.mil

## EDMS Survey Distribution List (Cont.)

### PART II – PRIVATE SECTOR

EDMS User	Contacted to Determine Participation Interest	EDMS Interest	Phone	Fax	e-mail
<b>Private Sector</b>					
AETNA	David A. Kirshenbaum		860-636-5045		Direct - Web Site
Allegheny Co. PA					Direct - Web site
Amoco					webmaster@amoco.com
Amtrak	Peter Blum	Ticket Processing & Research	215-349-2693		amtrak_p@ix.netcom.com
Anheiser-Busch					BudCentral@budweiser.com
Baltimore Gas & Electric	Lawrence Condry	Gas Maps & Records Unit	410-291-4960		lawrence.w.condry@bge.com
Bank of America Investment Services		.			Direct - Web site
Betty Crocker	Mike Meinz	Direct Marketing	612-540-3652		webmaster@bettycrocker.com
Chevron USA					webmaster@www.chevron.com
CISCO Systems	Donna Soave		408-526-8383		dsoave@cisco.com
	Jan Johnston-Tyler		408-526-8355		jjohnsto@cisco.com
Cummins Engine					powermaster@cummins.com
Diebold	Denis Martini	Card Based Transactions			Direct - Web site
Dietzgen					webmaster@dietzgen.com
Draper Laboratory					communications@draper.com
Ernst & Young LLP		Tax Return Prep			webmaster@ey.com
FEDEX	Betty Clayborne		901-369-3410		Direct - Web site
General Dynamics L					cookm@gdls.com
General Dynamics B					webmaster@gdeb.com
Haagen Daz	D. Winters	Track Deliveries & Billing	612-330-5370		answers@haagen-dazs.com
Houston Lighting & Power	Mark Herzig	Claims Dept.			info1@hlp.com
Jacksonville Electric Authority	Bob Neyer				neyefr@jea.com
Lucent Technologies					webmaster@lucent.com
Marathon Oil Co.					webmaster@marathon.com

### EDMS Survey Distribution List (Cont.)

EDMS User	Contacted to Determine Participation Interest	EDMS Interest	Phone	Fax	e-mail
<b>PRIVATE SECTOR (cont'd)</b>					
Monsanto					webguru@monsanto.com
Motorola	Bill Johnson		602-244-6606		webmaster@mot.com
Northeast Utilities	Karoll Wiater		860-665-5432		wiater@nu.com
NYNEX					Joe_Arena@SMTP.NYNEX.com
Omaha Public Power District	Sue Forbes	Procedure Tracking			(oppd_pr)sforbes@oppd.gov
Rockwell Automation	Pete Fowler	Image Design Data			baudman@rb.rockwell.com
Spalding Sports					sports@spalding.com
Stanford Health Services					webmaster@mednet.stanford.edu
Tenet Healthcare	James Wight		972-789-2587		james.wight@tenethealth.com
Toshiba					webmaster@toshiba.com
Union Pacific	Frank Lilly		402-280-6316		flilly@notes.up.com
Railroad	Paul McGee		314-768-6690		pamcgee@notes.up.com
Union Switch & Signal	Ted Davidson	Production/Financial Analysis	412-688-2400		webmaster@switch.com
University of Washington		Biological Experiment Documentation			forman@cs.washington.edu
Utah State University	Robert Dixon	Dorm Assignment	801-797-3731		webmaster@www.usu.edu
USAir, Inc.					Direct - Web site
U.S. DOE Oak Ridge National Laboratory.	Bob Price		424-576-5103		juanfc@oro.doe.gov
US Steel					bill.wolf@tippins.com

# Appendix B

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## EDMS User Survey Responses



**Tri-Service CADD/GIS Technology Center**  
**Electronic Document Management System (EDMS) User Survey**



Name of Point of Contact: Roger Porzig Phone: (904) 232-1189

Title of POC: CADD Manager FAX: (904) 232-3424

Internet E mail address: roger.w.porzig@saj02.usace.army.mil

Installation or Office Name: Jacksonville District

Office or Department Title: Engineering

Office or Department Code: EN-F

**Mailing Address:**

Jacksonville District – COE

Attention: EN-F/Porzig

P.O. Box 4970

Jacksonville, Florida 32232-0019

**Organization Branch: (check one)**

- ☐ Air Force
- ☐ Army
- ☒ Army Corps of Engineers
- ☐ Marines
- ☐ Navy
- ☐ Coast Guard
- ☐ Other :

Enclosure 1



Tri-Service CADD/GIS Technology Center  
**Electronic Document Management System (EDMS) User Survey**

**Category Number Listing-(Other categories may be added as needed)**

1. *EDMS Software* COTS, (Bentley Teammate, Intergraph NFM, Intergraph AIM, TSA Advet Falcon DMS, FileNet, Other) GOTS, Other
2. *Client* CLIX, DOS/Windows 3.1x, Windows 95, Windows NT, Sun Sparc
3. *Server* UNIX, NT, Novell Netware, Sun Sparc
4. *Storage/Repository* Desktop, RAID, CD-ROM, Optical
5. *Database DBMS* SQL, Oracle
6. *Viewing/Markup/Module* Spicer Imagenation, Imageview, Other
7. *Workflow Product/Module* FileNet Visual Workflow, FileNet Ensemble, Other
8. *Network* Novell, NFS, Other
9. *OCR Engine* Caere OmniPage Pro, Other
10. *Type Files Stored* DGN, DWG, CGM, TIFF, PDF, Other native formats
11. *Associated CAD2 Product(s)* Intergraph, Cordant
12. *Associated Non-CAD2 Product(s)*
13. *Customization Tools* Visual Basic 4, PowerBuilder, Other
14. *Internet/Intranet* Microsoft Internet Explorer, Netscape Navigator, Saros Mezzanine, Other

(Example)

**Category Number: 1**

COTS=Commercial Off The Shelf Software		GOTS=Government Off The Shelf Software	
Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>Intergraph AIM</u>	<input checked="" type="checkbox"/> COTS	<u>Document Management Suite</u>
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

**Survey of EDMS Work Performed Or Initiatives Under Development**  
*Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*  
*User Survey*

Category Number: 1

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Falcon DMS	<input checked="" type="checkbox"/> COTS	EDMS
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 2

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Win 3.X, Win 95, Win NT	<input checked="" type="checkbox"/> COTS	OS
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 3

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Win NT, Server 4.0	<input checked="" type="checkbox"/> COTS	OS
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

Category Number: 4

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	RAID	<input checked="" type="checkbox"/> COTS	Win NT, Intergraph HW
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

Installation Name: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

**Please duplicate before using**



# **Survey of EDMS Work Performed Or Initiatives Under Development**

## *Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*

### *User Survey*

Category Number:   5  

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input checked="" type="checkbox"/> COTS	MS SQL Server 6.5
<input checked="" type="checkbox"/> Initiative	SQL Server 6.5	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:   8  

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Windows Network	<input checked="" type="checkbox"/> COTS	Using Shares
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:   8  

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Windows Network	<input checked="" type="checkbox"/> COTS	FTP
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:   10  

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Ustation	<input checked="" type="checkbox"/> COTS	.DGN, .TIFF, .COT, .CIT
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Installation Name: _____	Page _____ of _____
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Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS) User Survey



# **Survey of EDMS Work Performed Or Initiatives Under Development**

## *Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*

### *User Survey*

Category Number: 10

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>MS Word, MS Excel</u>	<input checked="" type="checkbox"/> COTS	<u>.DOC, .XLS</u>
<input type="checkbox"/> Initiative	<u></u>	<input type="checkbox"/> GOTS	<u></u>
		<input type="checkbox"/> Custom	<u></u>

Category Number: 10

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>EditPad</u>	<input type="checkbox"/> COTS	<u></u>
<input type="checkbox"/> Initiative	<u></u>	<input type="checkbox"/> GOTS	<u></u>
		<input checked="" type="checkbox"/> Custom	<u>Postcard Ware (.TXT)</u>

Category Number: 14

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	<u></u>	<input checked="" type="checkbox"/> COTS	<u>Web Access to Data Via EDMS</u>
<input checked="" type="checkbox"/> Initiative	<u>Netscape, Internet Explorer</u>	<input type="checkbox"/> GOTS	<u></u>
		<input type="checkbox"/> Custom	<u></u>

Category Number:

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	<u></u>	<input type="checkbox"/> COTS	<u></u>
<input type="checkbox"/> Initiative	<u></u>	<input type="checkbox"/> GOTS	<u></u>
		<input type="checkbox"/> Custom	<u></u>

Installation Name: <u></u>	Page <u></u> of <u></u>
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### Survey of EDMS Hardware/Software Currently In Use

1) Do you have an operating EDMS system in place? ☒ Yes ☐ No ☐ Future procurement planned  
(If no current operating EDMS system please skip to question 30)

2) How many users of the system? 115 How many concurrent users? Aug., 35

3) How many files are currently stored? \_\_\_\_\_ What is your average file size? \_\_\_\_\_

4) What is the primary function of your EDMS system? Manage CADD Data

5) Describe the primary hardware components of your system:  
(If available please provide a diagram describing the components of your system)

Server(s) Intel based NT 4.0 Server

Input Device(s) \_\_\_\_\_

Storage Repository Raid arrays (Intergraph Interraid 6)

Primary Workstation(s) Win 95 NT and Win 95

Printer(s) and/or Plotter(s) OCE 9400 and HP755CM

Other associated hardware components \_\_\_\_\_

*Note: Information pertaining to software and operating system (client) data is detailed in the section entitled “ Survey of EDMS Work Performed Or Initiatives Under Development”*

6) Do you store and retrieve engineering (CADD) drawings on a regular basis? ☒ Yes ☐ No

7) If yes, in what format are the drawings ? ☒ Native CADD ☒ Scanned Image ☐ Other (describe) \_\_\_\_\_

8) Was Legacy data transferred to your EDMS system? ☒ Yes ☐ No

9) If yes, describe the means by which it was captured Mass add operation of COTS

10) Describe your data capture process for inclusion of native format files (word processing, CADD, etc.) into your EDMS system Using Interface to EDMS, users add data to system when appropriate

11) Describe your digital document indexing process Via Falcon/DMS

12) Describe your digital document retrieval or query process See 11

13) Describe, if applicable, your digital workflow process N/A

14) Have security, version control and redundancy issues associated with your EDMS system been adequately addressed?

☒ Yes ☐ No

15) If no, what improvements to your EDMS system would be required to meet desired security requirements? \_\_\_\_\_

16) Is an efficient archive/backup process a component of your system? ☒ Yes ☐ No

17) If no, what modifications would be required to improve this activity? \_\_\_\_\_

18) Is Internet/Intranet integration a desired or current component of your system? ☒ Yes ☐ No

19) Does your site have a training program for system users? ☒ Yes ☐ No

20) What resources are required to maintain your system on a day-to-day basis? Minimal Administrator

21) How long did it take to install your system? Four Hours

22) What problems were you setting out to resolve with the implementation of EDMS? Timely access by users

23) What challenges did you encounter during the implementation process? \_\_\_\_\_

There were (are) many network related issues that can (still) hamper a fully successful EDMS install

24) Was an ROI done prior to the installation of your EDMS system? ☒ Yes ☐ No

25) If yes, what were the results? (If available attach ROI table) Payback of investment in 12.5 months

26) Describe the tangible and intangible benefits realized by the inception of your EDMS system.

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Access to drawings does not depend on “special” knowledge of the network layout. Users do not have to waste time

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searching for project data.

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27) What user acceptance issues were addressed as your system was brought on-line? \_\_\_\_\_

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28) What are the "Lessons Learned" that you would credit to the implementation of your system? \_\_\_\_\_

Much richer understanding of various LAN related issues

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29) Additional Comments: Overall, I am very pleased with our choice of Falcon/DMS.

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30) Are you planning to implement an EDMS system in the future? ☐ Yes ☐ No

31) If yes, within what time frame? ☐ 0 - 12 mo ☐ 12 - 24 mo ☐ 24 - 36 mo ☐ Undetermined

32) In what format are your documents currently maintained? ☐ digital ☐ paper ☐ microfilm ☐ microfiche

☐ aperture card ☐ other (describe) \_\_\_\_\_

33) How are your documents currently indexed? ☐ card catalog ☐ digital data base ☐ other (describe) \_\_\_\_\_

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34) Do your stored documents include plotted CADD drawings? ☐ Yes ☐ No

35) If yes, will the CADD drawings be stored on your EDMS system? ☐ Yes ☐ No

36) How would you capture the CADD drawing for electronic storage? ☐ scan ☐ native format ☐ other (describe)

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**37) Describe any issues or concerns you might associate with the implementation of an EDMS system**

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**Installation Name:** Jacksonville District

**Page** 4 **of** 4

Thanks for taking your valuable time to complete this survey. A copy of the final report will be sent to you. In addition to assisting us with development of the Electronic Document Management Standards, the report should provide you with an overview of automation tools being used across DOD for Document Management. If you have any questions relating to the content of this survey please contact Jack Owens, Michael Baker, Jr., Inc. at 800-642-2537 ext. 4348 or 412-495-4348. Tri -Service related questions should be directed to Laurel T. Gorman, P.G. at 601-634-4484.

Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS) User Survey

**Tri-Service CADD/GIS Technology Center**  
**Electronic Document Management System (EDMS) User Survey**



Name of Point of Contact: Jim Michonski Phone: (757) 396-8425

Title of POC: Mechanical Engineer Fax: (757) 396-8233

Internet E mail address: jmichons@pwceast.pwc.com

Installation or Office Name: Navy Public Works Center Engineering Division

Office or Department Title: Portsmouth Site Engineering Division

Office or Department Code: Code 214

Mailing Address:

Jim Michonski

PWC Code 214.3

Building 1500 NNSY

Portsmouth, Virginia 23709

Organization Branch: (check one)

☐ Air Force

☐ Army

☐ Army Corps of Engineers

☐ Marines

☒ Navy

☐ Coast Guard

☐ Other :



Tri-Service CADD/GIS Technology Center  
**Electronic Document Management System (EDMS) User Survey**

**Category Number Listing-(Other categories may be added as needed)**

1. *EDMS Software* COTS, (Bentley Teammate, Intergraph NFM, Intergraph AIM, TSA Advet Falcon DMS, FileNet, Other) GOTS, Other
2. *Client* CLIX, DOS/Windows 3.1x, Windows 95, Windows NT, Sun Sparc
3. *Server* UNIX, NT, Novell Netware, Sun Sparc
4. *Storage/Repository* Desktop, RAID, CD-ROM, Optical
5. *Database DBMS* SQL, Oracle
6. *Viewing/Markup/Module* Spicer Imagenation, Imageview, Other
7. *Workflow Product/Module* FileNet Visual Workflow, FileNet Ensemble, Other
8. *Network* Novell, NFS, Other
9. *OCR Engine* Caere OmniPage Pro, Other
10. *Type Files Stored* DGN, DWG, CGM, TIFF, PDF, Other native formats
11. *Associated CAD2 Product(s)* Intergraph, Cordant
12. *Associated Non-CAD2 Product(s)*
13. *Customization Tools* Visual Basic 4, PowerBuilder, Other
14. *Internet/Intranet* Microsoft Internet Explorer, Netscape Navigator, Saros Mezzanine, Other

(Example)

**Category Number: 1**

COTS=Commercial Off The Shelf Software		GOTS=Government Off The Shelf Software	
Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>Intergraph AIM</u>	<input checked="" type="checkbox"/> COTS	<u>Document Management Suite</u>
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____



**Survey of EDMS Work Performed Or Initiatives Under Development**  
*Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*  
*User Survey*

Category Number: 1

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	File Magic Plus	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 2

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Dos/Windows	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

Category Number: 3

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Novell	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 4

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Desktop and Optical	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

Installation Name: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

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### **Survey of EDMS Hardware/Software Currently In Use**

1) Do you have an operating EDMS system in place? ☐ Yes ☒ No ☒ Future procurement planned  
(If no current operating EDMS system please skip to question 30)

2) How many users of the system? \_\_\_\_\_ How many concurrent users? \_\_\_\_\_

3) How many files are currently stored? \_\_\_\_\_ What is your average file size? \_\_\_\_\_

4) What is the primary function of your EDMS system? \_\_\_\_\_  
\_\_\_\_\_

5) Describe the primary hardware components of your system:  
(If available please provide a diagram describing the components of your system)

Server(s) \_\_\_\_\_

Input Device(s) \_\_\_\_\_

Storage Repository \_\_\_\_\_

Primary Workstation(s) \_\_\_\_\_

Printer(s) and/or Plotter(s) \_\_\_\_\_

Other associated hardware components \_\_\_\_\_

***Note: Information pertaining to software and operating system (client) data is detailed in the section entitled “Survey of EDMS Work Performed Or Initiatives Under Development”***

6) Do you store and retrieve engineering (CADD) drawings on a regular basis? ☐ Yes ☐ No

7) If yes, in what format are the drawings ? ☐ Native CADD ☐ Scanned Image ☐ Other (describe) \_\_\_\_\_  
\_\_\_\_\_

8) Was Legacy data transferred to your EDMS system? ☐ Yes ☐ No

9) If yes, describe the means by which it was captured \_\_\_\_\_  
\_\_\_\_\_

10) Describe your data capture process for inclusion of native format files (word processing, CADD, etc.) into your EDMS system \_\_\_\_\_  
\_\_\_\_\_

11) Describe your digital document indexing process \_\_\_\_\_  
\_\_\_\_\_

12) Describe your digital document retrieval or query process \_\_\_\_\_  
\_\_\_\_\_

13) Describe, if applicable, your digital workflow process \_\_\_\_\_

\_\_\_\_\_

14) Have security, version control and redundancy issues associated with your EDMS system been adequately addressed?

☐ Yes ☐ No

15) If no, what improvements to your EDMS system would be required to meet desired security requirements? \_\_\_\_\_

\_\_\_\_\_

16) Is an efficient archive/backup process a component of your system? ☐ Yes ☐ No

17) If no, what modifications would be required to improve this activity? \_\_\_\_\_

\_\_\_\_\_

18) Is Internet/Intranet integration a desired or current component of your system? ☐ Yes ☐ No

19) Does your site have a training program for system users? ☐ Yes ☐ No

20) What resources are required to maintain your system on a day-to-day basis? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

21) How long did it take to install your system? \_\_\_\_\_

\_\_\_\_\_

22) What problems were you setting out to resolve with the implementation of EDMS? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

23) What challenges did you encounter during the implementation process? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

24) Was an ROI done prior to the installation of your EDMS system? ☐ Yes ☐ No

25) If yes, what were the results? (If available attach ROI table) \_\_\_\_\_

\_\_\_\_\_

26) Describe the tangible and intangible benefits realized by the inception of your EDMS system. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

27) What user acceptance issues were addressed as your system was brought on-line? \_\_\_\_\_

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28) What are the “Lessons Learned” that you would credit to the implementation of your system? \_\_\_\_\_

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29) Additional Comments: \_\_\_\_\_

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30) Are you planning to implement an EDMS system in the future? ☒ Yes ☐ No

31) If yes, within what time frame? ☒ 0 - 12 mo ☐ 12 - 24 mo ☐ 24 - 36 mo ☐ Undetermined

32) In what format are your documents currently maintained? ☒ digital ☒ paper ☐ microfilm ☒ microfiche

☒ aperture card ☐ other (describe) \_\_\_\_\_

33) How are your documents currently indexed? ☒ card catalog ☐ digital data base ☐ other (describe) \_\_\_\_\_

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34) Do your stored documents include plotted CADD drawings? ☒ Yes ☐ No

35) If yes, will the CADD drawings be stored on your EDMS system? ☒ Yes ☐ No

36) How would you capture the CADD drawing for electronic storage? ☒ scan ☒ native format ☐ other (describe)

Both



37) Describe any issues or concerns you might associate with the implementation of an EDMS system\_\_\_\_\_

- 1. Cost to implement \_\_\_\_\_
  - 2. Maintenance of system \_\_\_\_\_
  - 3. Proper storage format for compatibility with established and proposed DoD Standards. \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Thanks for taking your valuable time to complete this survey. A copy of the final report will be sent to you. In addition to assisting us with development of the Electronic Document Management Standards, the report should provide you with an overview of automation tools being used across DOD for Document Management. If you have any questions relating to the content of this survey please contact Jack Owens, Michael Baker, Jr., Inc. at 800-642-2537 ext. 4348 or 412-495-4348. Tri -Service related questions should be directed to Laurel T. Gorman, P.G. at 601-634-4484.

**Tri-Service CADD/GIS Technology Center**  
**Electronic Document Management System (EDMS) User Survey**



Name of Point of Contact: Mr. Reed MacMillan Phone: (410)278-0534

Title of POC: Environmental Planning Chief FAX: (410)278-6779

Internet E mail address: [dmacmil@dshe.apg.army.mil](mailto:dmacmil@dshe.apg.army.mil)

Installation or Office Name: Aberdeen Proving Ground

Office or Department Title: Directorate of Safety, Health and Environment

Office or Department Code: Environmental Planning

Mailing Address:

Attn: STEAP-SH-ER

Mitchell House, #5650

Aberdeen Proving Ground, MD 21203-1715

Organization Branch: (check one)

- ☐ Air Force  
☒ Army  
☐ Army Corps of Engineers  
☐ Marines  
☐ Navy  
☐ Coast Guard  
☐ Other :

### Survey of EDMS Hardware/Software Currently In Use

1) Do you have an operating EDMS system in place? ☒ Yes ☐ No ☐ Future procurement planned  
(If no current operating EDMS system please skip to question 30)

2) How many users of the system? 25 How many concurrent users? 5

3) How many files are currently stored? 5000 What is your average file size? 500kb

4) What is the primary function of your EDMS system?  
To organize, store and retrieve NEPA Documents (RECs, RONA, CR106, etc)

5) Describe the primary hardware components of your system:  
(If available please provide a diagram describing the components of your system)

Server(s) Intergraph IP625

Input Device(s) HP ScanJet 5

Storage Repository 12 GB Hard Disk utilizing RAID technology

Primary Workstation(s) Pentium 166, 32 Mb RAM

Printer(s) and/or Plotter(s) HP650c

Other associated hardware components \_\_\_\_\_

*Note: Information pertaining to software and operating system (client) data is detailed in the section entitled “Survey of EDMS Work Performed Or Initiatives Under Development”*

6) Do you store and retrieve engineering (CADD) drawings on a regular basis? ☐ Yes ☒ No

7) If yes, in what format are the drawings ? ☐ Native CADD ☐ Scanned Image ☐ Other (describe) \_\_\_\_\_

8) Was Legacy data transferred to your EDMS system? ☒ Yes ☐ No

9) If yes, describe the means by which it was captured \_\_\_\_\_

10) Describe your data capture process for inclusion of native format files (word processing, CADD, etc.) into your EDMS system

See Attached Diagram

11) Describe your digital document indexing process \_\_\_\_\_  
*See Attached Diagram*

12) Describe your digital document retrieval or query process \_\_\_\_\_

*User are provided a series of predefined filters (i.e. show me all the RECS), but also have access to a query form that provides a means for Ad-Hoc searches*



13) Describe, if applicable, your digital workflow process \_\_ *See Attached Diagram*

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14) Have security, version control and redundancy issues associated with your EDMS system been adequately addressed?

☐ Yes ☒ No

15) If no, what improvements to your EDMS system would be required to meet desired security requirements? \_\_\_\_\_

Currently the data exists in Microsoft Access, but in order to provide tighter security it is being ported to ORACLE. Additionally, a web based front end is being developed for those users that have a View-Only role. However the implementation of this tool dependent on the acquisition and installation of an intranet firewall.

16) Is an efficient archive/backup process a component of your system? ☒ Yes ☐ No

17) If no, what modifications would be required to improve this activity? \_\_\_\_\_

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18) Is Internet/Intranet integration a desired or current component of your system? ☒ Yes ☐ No

19) Does your site have a training program for system users? ☒ Yes ☐ No

20) What resources are required to maintain your system on a day-to-day basis? \_\_\_\_\_

Currently the data entry portion of the day-to-day operation falls primarily on two individuals. The first is an internal employee that spends 25% of her time working with the system. The second individual is a contractor that works 3 days per week and focuses on scanning/linking historical documents.

21) How long did it take to install your system?

*The entire ERPMS has been in development/implementation for the past 5 years. During the life of the application there have been long breaks in the development due to budget restrictions, personnel turnover, and a change in contractors.*

22) What problems were you setting out to resolve with the implementation of EDMS? \_\_\_\_\_

*There were several goals, they were; A) Allow for a faster turn-around for NEPA Documents. B) Provide access to the NEPA Document through the GIS, C) Share information with other Garrison Organizations and Tenants, D) Public Access to ALL NEPA Documents.*

23) What challenges did you encounter during the implementation process?

***See question 21***

24) Was an ROI done prior to the installation of your EDMS system? ☐ Yes ☒ No

25) If yes, what were the results? (If available attach ROI table) \_\_\_\_\_

---

26) Describe the tangible and intangible benefits realized by the inception of your EDMS system. \_\_\_\_\_

*See Question 22*

27) What user acceptance issues were addressed as your system was brought on-line? \_\_\_\_\_

The standard for PCs (hardware/software) as defined by the Directorate of Information Management was used when determining the systems minimum requirements. However, many of the PC being used by the tenant organization did not comply with these standards and therefore could not utilize the system.

28) What are the “Lessons Learned” that you would credit to the implementation of your system?

A.) *It is very important to coordinate with ALL users (internal and external) when determining the requirements of the system, both hardware and software, so prior to the expenditure of funds.*

B.) *The approach of customizing COTS packages such as Microsoft Word and Access to fulfill this specific needs of the organization has proved to be very cost effective. The alternatives of developing the entire system from scratch, or purchasing a complete EDMS and then customizing it to meet our specific needs would have been far more expensive.*

29) Additional Comments:

*It is important to have a contractor that you can trust and feel comfortable with prior to undertaking a project of this magnitude. Additionally, you must be aware of the “Empire Builder” within the organizations. They can put up barriers that can be difficult and in some cases impossible to eliminate.*

30) Are you planning to implement an EDMS system in the future? ☐ Yes ☐ No

31) If yes, within what time frame? ☐ 0 - 12 mo ☐ 12 - 24 mo ☐ 24 - 36 mo ☐ Undetermined

32) In what format are your documents currently maintained? ☐ digital ☐ paper ☐ microfilm ☐ microfiche

☐ aperture card ☐ other (describe) \_\_\_\_\_

33) How are your documents currently indexed? ☐ card catalog ☐ digital data base ☐ other (describe) \_\_\_\_\_

34) Do your stored documents include plotted CADD drawings? ☐ Yes ☐ No

35) If yes, will the CADD drawings be stored on your EDMS system? ☐ Yes ☐ No

36) How would you capture the CADD drawing for electronic storage? ? ☐ scan ☐ native format ☐ other (describe)

37) Describe any issues or concerns you might associate with the implementation of an EDMS system \_\_\_\_\_

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**Installation Name:** \_\_\_\_\_

**Page** \_\_\_\_\_ **of** \_\_\_\_\_

Thanks for taking your valuable time to complete this survey. A copy of the final report will be sent to you. In addition to assisting us with development of the Electronic Document Management Standards, the report should provide you with an overview of automation tools being used across DOD for Document Management. If you have any questions relating to the content of this survey please contact Jack Owens, Michael Baker, Jr., Inc. at 800-642-2537 ext. 4348 or 412-495-4348. Tri -Service related questions should be directed to Laurel T. Gorman, P.G. at 601-634-4484.

Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS) User Survey

**Tri-Service CADD/GIS Technology Center**  
**Electronic Document Management System (EDMS) User Survey**



**Name of Point of Contact:** \_\_\_\_\_ **Phone:** \_\_\_\_\_

**Title of POC:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Internet E mail address:** \_\_\_\_\_

**Installation or Office Name:** \_\_\_\_\_

**Office or Department Title:** \_\_\_\_\_

**Office or Department Code:** \_\_\_\_\_

**Mailing Address:**

\_\_\_\_\_ Iowa National Guard

\_\_\_\_\_ 7700 NW Beaver Road

\_\_\_\_\_ Johnston, Iowa 50131

\_\_\_\_\_

**Organization Branch: (check one)**

- ☐ Air Force
- ☐ Army
- ☐ Army Corps of Engineers
- ☐ Marines
- ☐ Navy
- ☐ Coast Guard
- ☒ Other :

**Note:** At Camp Dodge – <http://www.guard.state.ia.us>

\_\_\_\_\_ ARNG

Enclosure 1



Tri-Service CADD/GIS Technology Center

**Electronic Document Management System (EDMS) User Survey**

**Category Number Listing-(Other categories may be added as needed)**

1. *EDMS Software* COTS, (Bentley Teammate, Intergraph NFM, Intergraph AIM, TSA Advet Falcon DMS, FileNet, Other) GOTS, Other
2. *Client* CLIX, DOS/Windows 3.1x, Windows 95, Windows NT, Sun Sparc
3. *Server* UNIX, NT, Novell Netware, Sun Sparc
4. *Storage/Repository* Desktop, RAID, CD-ROM, Optical
5. *Database DBMS* SQL, Oracle
6. *Viewing/Markup/Module* Spicer Imagenation, Imageview, Other
7. *Workflow Product/Module* FileNet Visual Workflow, FileNet Ensemble, Other
8. *Network* Novell, NFS, Other
9. *OCR Engine* Caere OmniPage Pro, Other
10. *Type Files Stored* DGN, DWG, CGM, TIFF, PDF, Other native formats
11. *Associated CAD2 Product(s)* Intergraph, Cordant
12. *Associated Non-CAD2 Product(s)*
13. *Customization Tools* Visual Basic 4, PowerBuilder, Other
14. *Internet/Intranet* Microsoft Internet Explorer, Netscape Navigator, Saros Mezzanine, Other

(Example)

**Category Number: 1**

COTS=Commercial Off The Shelf Software

GOTS=Government Off The Shelf Software

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>Intergraph AIM</u>	<input checked="" type="checkbox"/> COTS	<u>Document Management Suite</u>
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

**Survey of EDMS Work Performed Or Initiatives Under Development**  
*Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*  
*User Survey*

**Category Number:** 2

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Windows NT 4.0	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 3

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	NT	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 4

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	RAID	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 5

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Access	<input checked="" type="checkbox"/> COTS	
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

Installation Name: \_\_\_\_\_ Page 1 of 3

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**Survey of EDMS Work Performed Or Initiatives Under Development**  
*Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*  
*User Survey*

Category Number: 6

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Ice View	<input checked="" type="checkbox"/> COTS	.CAL Viewer
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 6

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	Drag and View	<input checked="" type="checkbox"/> COTS	AutoCAD Viewer (limited success)
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 6

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	ARCView	<input checked="" type="checkbox"/> COTS	AutoCAD (limited information) Viewer, GIS
<input type="checkbox"/> Initiative		<input type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

**Category Number:** 8

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	RCAS	<input type="checkbox"/> COTS	Reserve Component Automation System, NT 4.0 Network
<input type="checkbox"/> Initiative		<input checked="" type="checkbox"/> GOTS	
		<input type="checkbox"/> Custom	

Installation Name: \_\_\_\_\_ Page 2 of 3

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**Survey of EDMS Work Performed Or Initiatives Under Development**  
***Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)***  
***User Survey***

Category Number: 10

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>.DWG, CAL.</u>	<input checked="" type="checkbox"/> COTS	<u>CAD Documents</u>
<input type="checkbox"/> Initiative	<u></u>	<input type="checkbox"/> GOTS	<u></u>
		<input type="checkbox"/> Custom	<u></u>

Category Number: 14

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>MSIE</u>	<input checked="" type="checkbox"/> COTS	<u>RCAS Supported</u>
<input type="checkbox"/> Initiative	<u></u>	<input type="checkbox"/> GOTS	<u></u>
		<input type="checkbox"/> Custom	<u></u>

Category Number: 14

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	<u></u>	<input checked="" type="checkbox"/> COTS	<u>.ASP for Intranet, .HTM for Intranet</u>
<input checked="" type="checkbox"/> Initiative	<u>Inter Dev, Front Page</u>	<input type="checkbox"/> GOTS	<u></u>
		<input type="checkbox"/> Custom	<u></u>

Category Number: 14

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	<u></u>	<input checked="" type="checkbox"/> COTS	<u>Web GIS Viewer</u>
<input type="checkbox"/> Initiative	<u>ESRI IMS Extension for ARCVIEW</u>	<input type="checkbox"/> GOTS	<u></u>
		<input type="checkbox"/> Custom	<u></u>

Installation Name: <u></u>	Page <u>3</u> of <u>3</u>
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### **Survey of EDMS Hardware/Software Currently In Use**

1) Do you have an operating EDMS system in place? ☐ Yes ☒ No ☐ Future procurement planned  
(If no current operating EDMS system please skip to question 30)

2) How many users of the system? \_\_\_\_\_ How many concurrent users? \_\_\_\_\_

3) How many files are currently stored? \_\_\_\_\_ What is your average file size? \_\_\_\_\_

4) What is the primary function of your EDMS system? \_\_\_\_\_  
\_\_\_\_\_

5) Describe the primary hardware components of your system:  
(If available please provide a diagram describing the components of your system)

Server(s) \_\_\_\_\_

Input Device(s) \_\_\_\_\_

Storage Repository \_\_\_\_\_

Primary Workstation(s) \_\_\_\_\_

Printer(s) and/or Plotter(s) \_\_\_\_\_

Other associated hardware components \_\_\_\_\_

***Note: Information pertaining to software and operating system (client) data is detailed in the section entitled “Survey of EDMS Work Performed Or Initiatives Under Development”***

6) Do you store and retrieve engineering (CADD) drawings on a regular basis? ☐ Yes ☐ No

7) If yes, in what format are the drawings ? ☐ Native CADD ☐ Scanned Image ☐ Other (describe) \_\_\_\_\_  
\_\_\_\_\_

8) Was Legacy data transferred to your EDMS system? ☐ Yes ☐ No

9) If yes, describe the means by which it was captured \_\_\_\_\_  
\_\_\_\_\_

10) Describe your data capture process for inclusion of native format files (word processing, CADD, etc.) into your EDMS system \_\_\_\_\_  
\_\_\_\_\_

11) Describe your digital document indexing process \_\_\_\_\_  
\_\_\_\_\_

12) Describe your digital document retrieval or query process \_\_\_\_\_  
\_\_\_\_\_

13) Describe, if applicable, your digital workflow process \_\_\_\_\_

\_\_\_\_\_

14) Have security, version control and redundancy issues associated with your EDMS system been adequately addressed?

☐ Yes ☐ No

15) If no, what improvements to your EDMS system would be required to meet desired security requirements? \_\_\_\_\_

\_\_\_\_\_

16) Is an efficient archive/backup process a component of your system? ☐ Yes ☐ No

17) If no, what modifications would be required to improve this activity? \_\_\_\_\_

\_\_\_\_\_

18) Is Internet/Intranet integration a desired or current component of your system? ☐ Yes ☐ No

19) Does your site have a training program for system users? ☐ Yes ☐ No

20) What resources are required to maintain your system on a day-to-day basis? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

21) How long did it take to install your system? \_\_\_\_\_

\_\_\_\_\_

22) What problems were you setting out to resolve with the implementation of EDMS? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

23) What challenges did you encounter during the implementation process? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

24) Was an ROI done prior to the installation of your EDMS system? ☐ Yes ☐ No

25) If yes, what were the results? (If available attach ROI table) \_\_\_\_\_

\_\_\_\_\_

26) Describe the tangible and intangible benefits realized by the inception of your EDMS system. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



27) What user acceptance issues were addressed as your system was brought on-line? \_\_\_\_\_

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28) What are the "Lessons Learned" that you would credit to the implementation of your system? \_\_\_\_\_

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29) Additional Comments: \_\_\_\_\_

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30) Are you planning to implement an EDMS system in the future? ☒ Yes ☐ No

31) If yes, within what time frame? ☐ 0 - 12 mo ☐ 12 - 24 mo ☐ 24 - 36 mo ☒ Undetermined

32) In what format are your documents currently maintained? ☒ digital ☒ paper ☐ microfilm ☐ microfiche

☐ aperture card ☐ other (describe) \_\_\_\_\_

33) How are your documents currently indexed? ☐ card catalog ☐ digital data base ☐ other (describe)

\_\_\_\_\_

Directory Tree/Files

34) Do your stored documents include plotted CADD drawings? ☒ Yes ☐ No Some

35) If yes, will the CADD drawings be stored on your EDMS system? ☒ Yes ☐ No

36) How would you capture the CADD drawing for electronic storage? ☒ scan ☒ native format ☐ other (describe)

Scan – some .CAL

37) Describe any issues or concerns you might associate with the implementation of an EDMS system\_\_\_\_\_

\_\_\_\_\_We are using a manual system now because of the low volume of users. As we make documents available to more people  
\_\_\_\_\_we may need a management application. We are looking into placing documents on the Intranet as well  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Thanks for taking your valuable time to complete this survey. A copy of the final report will be sent to you. In addition to assisting us with development of the Electronic Document Management Standards, the report should provide you with an overview of automation tools being used across DOD for Document Management. If you have any questions relating to the content of this survey please contact Jack Owens, Michael Baker, Jr., Inc. at 800-642-2537 ext. 4348 or 412-495-4348. Tri -Service related questions should be directed to Laurel T. Gorman, P.G. at 601-634-4484.

**Tri-Service CADD/GIS Technology Center**  
**Electronic Document Management System (EDMS) User Survey**



Name of Point of Contact: Lawrence W. Condry Phone: (410) 291-4960

Title of POC: Project Manager Gas Supply Fax: (410) 291-4974

Internet E mail address: lawrence.w.condry@BGE.com

Installation or Office Name: Spring Gardens Plant

Office or Department Title: Gas Engineering and Construction Department

Office or Department Code: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_ 1699 Leadenhall St., 2<sup>nd</sup> floor

\_\_\_\_\_ Service Building – Spring Gardens

\_\_\_\_\_ Baltimore, MD 21230

\_\_\_\_\_

\_\_\_\_\_

Organization Branch: (check one)

☐ Air Force

☐ Army

☐ Army Corps of Engineers

☐ Marines

☐ Navy

☐ Coast Guard

☒ Other :

\_\_\_\_\_ Public Utility



Tri-Service CADD/GIS Technology Center

**Electronic Document Management System (EDMS) User Survey**

**Category Number Listing-(Other categories may be added as needed)**

1. *EDMS Software* COTS, (Bentley Teammate, Intergraph NFM, Intergraph AIM, TSA Advet Falcon DMS, FileNet, Other) GOTS, Other
2. *Client* CLIX, DOS/Windows 3.1x, Windows 95, Windows NT, Sun Sparc
3. *Server* UNIX, NT, Novell Netware, Sun Sparc
4. *Storage/Repository* Desktop, RAID, CD-ROM, Optical
5. *Database DBMS* SQL, Oracle
6. *Viewing/Markup/Module* Spicer Imagenation, Imageview, Other
7. *Workflow Product/Module* FileNet Visual Workflow, FileNet Ensemble, Other
8. *Network* Novell, NFS, Other
9. *OCR Engine* Caere OmniPage Pro, Other
10. *Type Files Stored* DGN, DWG, CGM, TIFF, PDF, Other native formats
11. *Associated CAD2 Product(s)* Intergraph, Cordant
12. *Associated Non-CAD2 Product(s)*
13. *Customization Tools* Visual Basic 4, PowerBuilder, Other
14. *Internet/Intranet* Microsoft Internet Explorer, Netscape Navigator, Saros Mezzanine, Other

(Example)

**Category Number: 1**

COTS=Commercial Off The Shelf Software		GOTS=Government Off The Shelf Software	
Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>Intergraph AIM</u>	<input checked="" type="checkbox"/> COTS	<u>Document Management Suite</u>
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____



# **Survey of EDMS Work Performed Or Initiatives Under Development**

## *Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*

### *User Survey*

Category Number:   5  

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:   6  

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:   7  

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:   8  

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	<u>  RAID  </u>	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Installation Name: _____	Page _____ of _____
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# **Survey of EDMS Work Performed Or Initiatives Under Development**

*Tri-Service CADD/GIS Technology Center, Electronic Document Management System (EDMS)*  
*User Survey*

Category Number:   9  

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:   10  

Status	Software Name	Type Software	Brief Functional Description
<input checked="" type="checkbox"/> In Use	<u>.TIFF</u>	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:           

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Category Number:           

Status	Software Name	Type Software	Brief Functional Description
<input type="checkbox"/> In Use	_____	<input type="checkbox"/> COTS	_____
<input type="checkbox"/> Initiative	_____	<input type="checkbox"/> GOTS	_____
		<input type="checkbox"/> Custom	_____

Installation Name: _____	Page _____ of _____
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### Survey of EDMS Hardware/Software Currently In Use

1) Do you have an operating EDMS system in place? ☐ Yes ☒ No ☐ Future procurement planned

(If no current operating EDMS system please skip to question 30)

2) How many users of the system? 200 How many concurrent users? 20

3) How many files are currently stored? 64,558 What is your average file size? 10 MB

4) What is the primary function of your EDMS system? To supply the latest and most up to date version of our  
record drawings to the users.

5) Describe the primary hardware components of your system:

(If available please provide a diagram describing the components of your system)

Server(s) Gateway 2000

Input Device(s) Ideal Scanner

Storage Repository Gateway 2000 and HP Jukebox (20 disc – upgradeable to 40)

Primary Workstation(s) Gateway 2000

Printer(s) and/or Plotter(s) HP Design Jet 600

Other associated hardware components \_\_\_\_\_

**Note: Information pertaining to software and operating system (client) data is detailed in the section entitled “Survey of EDMS Work Performed Or Initiatives Under Development”**

6) Do you store and retrieve engineering (CADD) drawings on a regular basis? ☒ Yes ☐ No

7) If yes, in what format are the drawings ? ☐ Native CADD ☒ Scanned Image ☐ Other (describe) .TIFF

We store and retrieve drawings but not in a CADD format

8) Was Legacy data transferred to your EDMS system? ☒ Yes ☐ No

9) If yes, describe the means by which it was captured Some data scanned in on site – other data sent out to vendor

and scanned onto optical disks.

10) Describe your data capture process for inclusion of native format files (word processing, CADD, etc.) into your EDMS system All data is scanned in to system. Nothing is entered electronically

11) Describe your digital document indexing process All documents are indexed under street name, job number, date scanned

community name, electric grid and gas grid

12) Describe your digital document retrieval or query process See Above

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13) Describe, if applicable, your digital workflow process \_\_\_\_\_

---

14) Have security, version control and redundancy issues associated with your EDMS system been adequately addressed?

☒ Yes   ☐ No

15) If no, what improvements to your EDMS system would be required to meet desired security requirements? \_\_\_\_\_

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16) Is an efficient archive/backup process a component of your system?   ☐ Yes   ☒ No

17) If no, what modifications would be required to improve this activity? \_\_\_\_\_

---

18) Is Internet/Intranet integration a desired or current component of your system?   ☒ Yes   ☐ No

19) Does your site have a training program for system users?   ☒ Yes   ☐ No

20) What resources are required to maintain your system on a day-to-day basis? One full time employee

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21) How long did it take to install your system? Approximately 4 months

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22) What problems were you setting out to resolve with the implementation of EDMS? Reduce amount of time from  
new jobs being plotted on drawings until received by users in Districts

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23) What challenges did you encounter during the implementation process? \_\_\_\_\_

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24) Was an ROI done prior to the installation of your EDMS system?   ☐ Yes   ☐ No

25) If yes, what were the results? (If available attach ROI table) \_\_\_\_\_

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---

26) Describe the tangible and intangible benefits realized by the inception of your EDMS system. \_\_\_\_\_

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27) What user acceptance issues were addressed as your system was brought on-line? \_\_\_\_\_

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28) What are the "Lessons Learned" that you would credit to the implementation of your system? \_\_\_\_\_

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29) Additional Comments: \_\_\_\_\_

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30) Are you planning to implement an EDMS system in the future? ☐ Yes ☐ No

31) If yes, within what time frame? ☐ 0 - 12 mo ☐ 12 - 24 mo ☐ 24 - 36 mo ☐ Undetermined

32) In what format are your documents currently maintained? ☐ digital ☐ paper ☐ microfilm ☐ microfiche

☐ aperture card ☐ other (describe) \_\_\_\_\_

33) How are your documents currently indexed? ☐ card catalog ☐ digital data base ☐ other (describe) \_\_\_\_\_

---

34) Do your stored documents include plotted CADD drawings? ☐ Yes ☒ No

35) If yes, will the CADD drawings be stored on your EDMS system? ☐ Yes ☐ No

36) How would you capture the CADD drawing for electronic storage? ☐ scan ☐ native format ☒ other (describe)

\_\_\_\_\_ Software must be replaced to capture CADD

37) Describe any issues or concerns you might associate with the implementation of an EDMS system\_\_\_\_\_

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Thanks for taking your valuable time to complete this survey. A copy of the final report will be sent to you. In addition to assisting us with development of the Electronic Document Management Standards, the report should provide you with an overview of automation tools being used across DOD for Document Management. If you have any questions relating to the content of this survey please contact Jack Owens, Michael Baker, Jr., Inc. at 800-642-2537 ext. 4348 or 412-495-4348. Tri -Service related questions should be directed to Laurel T. Gorman, P.G. at 601-634-4484.

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# Appendix C

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## NAVFAC EDMS Criteria Worksheet

Naval Facilities Engineering Command  
**Technology Evaluation System**  
**Criteria Definition Worksheet**

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## ELECTRONIC DOCUMENT MANAGEMENT SYSTEM (EDMS)

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### ***Corporate Technology Requirements***

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#### **Criterion #1**

**Name:** COTS APPLICATION FOR NT, NT SERVER

**Definition:** Commercial-off-the-shelf software with out-of-the-box functionality for LAN/WAN distribution of data. Client desktop operating system is Windows NT (some legacy Windows 95); the server operating system is Windows NT Server.

---

#### **Criterion #2**

**Name:** ORACLE RDBMS

**Definition:** Uses corporate RDBMS.

---

#### **Criterion #3**

**Name:** WEB THIN-CLIENT BASED

**Definition:** Browser-client with dynamically downloaded applets, full user application functionality over the web. Works with both Netscape Navigator/Communicator and Internet Explorer.

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#### **Criterion #4**

**Name:** OBJECT-ORIENTED OLE (ACTIVE X) COMPLIANT

**Definition:** The object oriented approach views systems as collections of "objects." Objects encapsulate data and functions. They model real-life entities and concepts in programs. Objects interact with each other through well-defined interfaces. Object-Oriented can simplify complex system structures and increase their performance, robustness and extensibility. OLE Object Linking and Embedding is a Microsoft Windows facility that allows you to use several Windows applications to produce a single document.

---

#### **Criterion #5**

**Name:** MIGRATION PATH FROM EXISTING SYSTEMS

**Definition:** Method available to convert existing EDMS systems to the selected system, e.g., Keyfile.

---

#### **Criterion #6**

**Name:** INTEGRATABLE WITH RMS

**Definition:** Specify RMS-compatible application, whether internal, add-on, or third party.

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#### **Criterion #7**

**Name:** SCALABLE/RELIABLE

**Definition:** Software has a flexible architectural design, with the ability to expand the system as corporate usage increases. Services can be distributed on multiple

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machines and the system supports multi-threading. Software has solid transaction integrity features. The system has the ability to replicate repositories between geographically separate locations for recovery purposes.

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## EDMS CRITERIA RECOMMENDATIONS

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### **Capture & Storage**

#### **Criterion #8**

**Name:** STORED AND CUSTOMIZABLE DOCUMENT METADATA

**Definition:** The system supports stored Metadata (attributes, index values, profiles/properties or characteristics of documents) are supplied with the applications. The software must be customizable so that the metadata can be changed or supplemented.

---

#### **Criterion #9**

**Name:** SEAMLESS STORAGE FEATURES

**Definition:** The system has the capability to locate engineering documents within the system, without the end user's knowledge of the physical location.

---

#### **Criterion #10**

**Name:** MULTIPLE VERSION STORAGE FEATURES

**Definition:** The application's ability to track and store multiple revisions of documents and ensure that users have the correct/current version of a single named document. The ability to track access and revision activities for each document and allow purging of obsolete documents.

---

#### **Criterion #11**

**Name:** UTILIZES MULTIPLE STORAGE MEDIA

**Definition:** Software is capable of storing documents to varied media, e.g., CD-ROM, optical disk including Computer Output to Laser Disk (COLD), magnetic tape, etc., and is capable of storing data on-line, near-line, and off-site for disaster recovery purposes.

---

#### **Criterion #12**

**Name:** OCR SUPPORT

**Definition:** Software supports or integrates with Optical Character Recognition, the process of turning an image into computer-editable text.

---

#### **Criterion #13**

**Name:** FAX SUPPORT

**Definition:** Software can receive, transmit, track and capture faxed documents to the end-user.

---

#### **Criterion #14**

**Name:** EMAIL SUPPORT

**Definition:** Software can receive, transmit, capture and track electronic mail via integration with corporate email system MS-Exchange/Outlook.

---

#### **Criterion #15**

**Name:** ODBC COMPLIANT

**Definition:** Can use Open Database Connectivity to access databases.

---

## **Criterion #16**

**Name:** **STORE ALL BINARY FORMATS**

**Definition:** Software must be capable of capturing, retrieving, and storing data in all binary file formats, whether or not view is supported.

---

## **RETRIEVAL**

## **Criterion #17**

**Name:** **FULL-TEXT SEARCH AND RETRIEVAL**

**Definition:** Access documents by words or phrases or by metadata.

---

## **Criterion #18**

**Name:** **POWERFUL DISTRIBUTED SEARCH ENGINE CAPABILITY**

**Definition:** Ability to query corporate documents in real time within one's own department, organization or corporate wide. Provides response to content search of multiple document servers and remote network sites and delivers unified hit-list.

---

## **Criterion #19**

**Name:** **CUSTOMIZED SEARCH**

**Definition:** Provides query by example to novice end-users and advanced search features for experienced users. To include drag and drop capabilities from metadata, pick lists, etc.

---

## **Criterion #20**

**Name:** **SAVED SEARCH CAPABILITIES**

**Definition:** Ability to name and save searches for repeated use.

---

## **Criterion #21**

**Name:** **FLEXIBLE VIEWING CAPABILITIES**

**Definition:** Software has the capability to deliver documents to the desktop for display, review, annotation, printing, and copying multiple common electronic file formats such as .doc, .xls, .pdf, .tif, .gif, .jpg, .txt, .ppt, .dwg, .dxf, etc. Supports CCITT Group IV compression formats.

File Type	Viewed by		
	Native File Type Viewer (provided by EDMS)	Browser Plug-In	Helper Application
.doc			
.xls			
.pdf			
etc.			

## **WORKFLOW**

### **Criterion #22**

**Name:** SUPPORT OF AD HOC AND PRODUCTION WORKFLOW  
**Definition:** Able to accommodate real-time changes including restarting or revising routing from any step at any time. (\*\*User created templates, ad-hoc and production workflow).

---

### **Criterion #23**

**Name:** GRAPHICAL DOCUMENT ROUTING AND TRACKING  
**Definition:** Visual representation of tasks defined with the status and location of routing and tracking. A variety of data types can be supported. Work routing defines the order in which the items flow. Work may be routed graphically without third party programming. Once implemented, the status of all transactions can be checked.

---

### **Criterion #24**

**Name:** EMAIL NOTIFICATION  
**Definition:** Software leverages corporate email system MS-Outlook/Exchange, for event notification, but does not require an email system for document delivery. Documents can be distributed in sequence, parallel or broadcast modes with automated inactivity notification.

---

## **SECURITY/TRANSMISSION**

### **Criterion #25**

**Name:** REVISION CONTROL  
**Definition:** Ability to allow or restrict multiple levels of access to an individual or group. Software locks 'checked out' files from access, allows offline edit, and prompts users for checkin. All revisions to a document should be distinguished from one another.

---

### **Criterion #26**

**Name:** MULTIPLE DOCUMENT SECURITY LEVELS  
**Definition:** Ability to assign levels of security to a project, file folder, document or versions.

---

### **Criterion #27**

**Name:** SECURITY 'ROLES' AND INDIVIDUAL/GROUP PRIVILEGES  
**Definition:** Ability to assign levels of security from a Department down to an individual. Software leverages operating system and database security, using standard directories. Software prevents access to documents from outside the EDMS.

---

## **ADDITIONAL**

### **Criterion #28**

**Name:** SOFTWARE APPLICATION COST  
**Definition:** Require pricing for 1500, 7500 and 15000 seats of both web thin client and thick client. Details on pricing structure are required (licensing per seat, per named user or concurrent).

---

## Criterion #29

**Name:** FULLY-REMOTE ADMINISTRATION

**Definition:** Allow one point or distributed administration of system, end-users and software upgrades (remote console, web interface, etc.) through an intuitive interface. Utilities are available to perform reporting on audit trail data.

---

## Criterion #30

**Name:** API (APPLICATION PROGRAMMING INTERFACE) FOR CUSTOM APPLICATIONS

**Definition:** Software provides methods to customize and present different user interfaces. API's are available and a forms designer is provided or industry standard tools are supported to work with the product such as Visual Basic, C++, Delphi, etc.

---

## Criterion #31

**Name:** MINIMAL TRAINING REQUIREMENTS

**Definition:** Less than one day of training for end-user and less than one week of training for the administrator.

---

## Criterion #32

**Name:** ANNOTATION OF DATA

**Definition:** Layers of annotations including redlining, sticky notes, highlighting, redacting, typed notes and freehand line drawing with the ability to track the annotations in an audit trail and to provide security. The annotations are separate from and do not directly modify the content of the original document.

---

## Criterion #33

**Name:** PRODUCT MAINTENANCE AND SUPPORT

**Definition:** Notification or access to patches and maintenance releases. Level of support (i.e., 24/7 unlimited telephone assistance).

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### RECORDS MANAGEMENT SYSTEMS (RMS) CRITERIA INTEGRATABLE WITH RECOMMENDED EDMS

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## DOCUMENT FILING

## Criterion #34

**Name:** NON-ELECTRONIC RECORDS

**Definition:** Ability to manage all non-electronic records (i.e., paper, audio, video, microfiche, maps, drawings, 105mm, 35mm and photos, etc.) without the requirement of converting the records into electronic format.

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## Criterion #35

**Name:** ELECTRONIC MAIL RECORDS SUPPORT

**Definition:** Ability to capture and manage selected electronic mail messages and to catalog essential and required information (i.e., message header, text, attachments, etc.) and to secure the documents as official records.

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## Criterion #36

**Name:** DOCUMENT FILING SUPPORT

**Definition:** Ability to capture essential and required records management information from a document determined ("declared") to be an official record from the EDMS without duplicating the document or the document's metadata (properties/profile.)

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## END-USER SERVICES

## Criterion #37

**Name:** CLASSIFICATION

**Definition:** Ability to classify "declared" documents from the EDMS into the appropriate Standard Subject Identification Code (SSIC). Ability to classify documents quickly, easily and accurately by building pick lists or automatically classifying documents by individuals, business lines, or projects, etc. Software includes identifying and tracking vital records.

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## Criterion #38

**Name:** RESERVATIONS

**Definition:** Ability for the end-user to reserve and checkout non-electronic records tracked and managed by the records management system. Notifies records manager of request and tracks physical location of those records (i.e., who checked-out, expected due date, date of return.) Also allows records manager to produce reports.

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## Criterion #39

**Name:** REPORT WRITER

**Definition:** Ability to query and produce records management reports related to file plans and "records" inventories, scheduling, transfer, and final disposition.

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## Criterion #40

**Name:** FILE PLAN

**Definition:** Identifies and describes business line or organization's records' life cycle structure by subject grouping. The basis for records retention and final disposition.

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## Criterion #41

**Name:** RECORDS SCHEDULING

**Definition:** Ability to inventory and cut-off records at a designated time (date) or event, allowing human intervention for review or automatic records transfer. Also includes transfer of non-electronic records to the Federal Records Centers or transfer control of records to the National Archives and Records Administration.

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## Criterion #42

**Name:** FILE PLAN RE-ORGANIZATION

**Definition:** Ability to change single subject groups, business lines or global changes to accommodate updates to regulations or changes to business operations or corporate restructuring/reorganization.

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## Criterion #43

**Name:** DoD 5015.2-STD Certified

**Definition:** Meeting DoD required certification and compliance with the DoD 5015.2-STD, Design Criteria Standard for Electronic Records Management Software Applications.

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# REPORT DOCUMENTATION PAGE

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13. ABSTRACT (Maximum 200 Words) This guideline is written for DoD organizations wishing to manage engineering and facility management documents more effectively. It presents general guidelines applicable to any Electronic Document Management System (EDMS), with particular emphasis on managing large-scale engineering drawings, whether paper-based or CADD-generated. Topics addressed are EDMS technologies for standard business and engineering documents, a description of document management processes and associated hardware and software components, automated workflow, EDMS user survey results, additional information on DoD and federal agency use of EDMS, lessons learned by DoD/federal users, implementation issues, use of the Internet and Intranets for document management, conclusions, and recommendations. Recommendations for implementing an EDMS relate to the need to understand existing systems and workflows, establish a clear purpose and objectives for the EDMS, anticipate cultural acceptance issues, phase implementation using a pilot project approach, ensure existing manual workflows can be duplicated, provide training, and choose an EDMS vendor wisely.			
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